

B-2

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED

AUG 18 1976

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir-701

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Ray Resources Div of F.D.O.C.  
 Address \_\_\_\_\_  
 Farm C. Rowand  
 Well No. 722  
 District Reedy County Wirt  
 Drilling commenced 8-12-76  
 Drilling completed 8-16-76 Total depth 2583  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4 8 3/8		206	
6 3/4			Depth set _____
5 3/16 4 1/2		2580	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

4 1/2 Cam 75 Bq Dowell  
 CASING CEMENTED 8 3/8 SIZE 206 No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
Cam to Surface 75 Bq  
 NAME OF SERVICE COMPANY Dowell

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Rainwater  
 Remarks: Contr - F.W.A Drilling Co Rotary - Fluid

Running 4 1/2 Csg

8-16-76  
DATE

[Signature] 01/12/2024  
DISTRICT WELL INSPECTOR





B-3



State of West Virginia

Department of Mines  
Oil and Gas Division  
Charleston 25305

November 10, 1976

JOHN ASHCRAFT  
Director

ROBERT L. DODD  
Deputy Director

Paul Goodnight  
Smithville, W.Va.

PERMIT	WIRT-701
COMPANY	Ray Resources
FARM	C. Rowand (Cabot)
WELL NO	722 (3)
DISTRICT	Reedy
COUNTY	Wirt

Dear Sir:

Please make a final inspection of the well described above.

Very truly yours,

Robert L. Dodd

RLD/chm

01/12/2024



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800  
341-1116

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OG-11 B-11

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED  
JAN 17 1978

INSPECTOR'S WELL REPORT

Permit No. Wir - 701

Oil or Gas Well \_\_\_\_\_  
(KIND) \_\_\_\_\_

Company Ray Resources Div of F.D.A.C.

Address \_\_\_\_\_

Farm C. Rowand

Well No. 722 (3)

District Reedy County Wirt

Drilling commenced \_\_\_\_\_

Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_

Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_

Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch

Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Filling Material Used
16			Kind of Packer
13			
10			Size of
8 1/4			
6 5/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

Rel-

1 - 12 - 78

DATE

[Signature]  
DISTRICT WELL INSPECTOR

01/12/2024







State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

February 6, 1978

Ray Resources, Div. of FDOC.  
630 Commerce Square  
Charleston, W.Va. 25301

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

- WIRT-699 - Dustin Enoch # 2-706 - Reedy District
- WIRT-701 - C. Rowand (Cabot) # 3-722 - Reedy District
- WIRT-710 - A. S. Rowand # 2-745 - Reedy District
- WIRT-713 - B. N. Wiseman (Cabot) # 1-750 - Tucker District
- WIRT-714 - Charles Morgan (Cabot) # 2-751 - Reedy District

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force until such time as the requirements of Chapter 22 have been met. "Bonds will stay in force for life of the wells."

Very truly yours,

Robert L. Dodd, Deputy Director  
Oil and Gas Division

RLD/chm

01/12/2024

E-2  
WEST VIRGINIA DEPARTMENT OF MINES  
CHARLESTON, WEST VIRGINIA  
INTER-OFFICE MEMORANDUM

TO: Robert Dodd

DATE: 6-30-77

File

FROM: K. Paul Goodnight

SUBJECT: <sup>Complaint</sup> Mrs Clarence Rowland - WIR-701

Dear Bob:

After Completing my investigation, I find Mrs Clarence Rowland in Error when she said the Creek was dammed up, & the Corn & tobacco Crop is being Ruined by oil Flooding from pits on the location.

The facts are a wash out did occur due to heavy rains. Some tobacco & Corn Crops was ruined by the water, which in no way could the two wells on the Rowland Property had anything to do with this, today - 6-30-77 Ray Resources Moved a dozer on these Locations to reclaim them according to Section 12b -

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JUL - 7 1977

OIL & GAS DIVISION  
DEPT. OF MINES

K. Paul Goodnight

6-30-77



E-1  
CHARLESTON, WEST VIRGINIA  
INTER-OFFICE MEMORANDUM

TO: Paul Goodnight

DATE: June 29, 1977

FROM: Dodd

SUBJECT: Permit No. WIR-701

Paul,

Mrs. Clarence Rowland filed a complaint through the Governor's office regarding the above captioned well location.

According to Mrs. Rowland, the creeks were dammed up and the tobacco and corn crop is being ruined by oil flooding from pits on the location. This happened last week-end and Mr. Rowland said that it also occurred last summer.

Please check into this matter immediately and submit a written report as soon as possible.

/1s  
Attachment - copy of plat

Mrs. Clara Rowland complained through  
Gov. office (other side) of damaged crops  
Tobacco - corn crops ruined by oil flooding  
from pits during last week but are lost  
permanently.

6-29-77

Send to:  
Goodnight





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JUL 30 1976

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

*Ry*

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE July 29, 1976

Surface Owner Clarence Rowand

Company RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION

Address \_\_\_\_\_

Address 630 Commerce Sq., Chas., WV 25301

Mineral Owner Cabot Corporation

Farm C. Rowand (Cabot) Acres 100 3/4

Address Charleston, West Virginia

Location (waters) Rowands Run

Coal Owner \_\_\_\_\_

Well No. #722 (3) Elevation 871'

Address \_\_\_\_\_

District Reedy County Wirt

Coal Operator \_\_\_\_\_

Quadrangle Ripley

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 7-30-76.

INSPECTOR

TO BE NOTIFIED K. Paul Goodnight

ADDRESS Smithville, W. Va.

PHONE 477-2455

*Robert H. Bell*  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under ~~XXXXXX~~ <sup>Assignment</sup> dated September 2, 1975 by Seneca Oil Company made to Ray Resources and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_  
XXX NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  
\_\_\_\_\_ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Very truly yours, RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION

(Sign Name) *Tom Loydale*  
Well Operator

Address of Well Operator

630 Commerce Square  
Street  
Charleston,  
City or Town  
West Virginia 25301  
State

01/12/2024

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

WIRT - 701

PERMIT NUMBER



THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME F. W. A. Drilling, Inc. NAME Bill Endicott  
 ADDRESS Elkview, W. Va. ADDRESS Box 234, Culloden, W. Va.  
 TELEPHONE 965-3379 TELEPHONE 743-9067  
 ESTIMATED DEPTH OF COMPLETED WELL: 2570' ROTARY XXX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Berea  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 11 3/4"	30'	30'	To Surf
9 - 5/8			
8 - 5/8	350'	350'	To Surf
7			
5 1/2			
4 1/2	2570'	2570'	50 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_

APPROXIMATE COAL DEPTHS \_\_\_\_\_ , \_\_\_\_\_

IS COAL BEING MINED IN THE AREA? NO BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code. 01/12/2024

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title



B-2

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED

AUG 18 1976

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir-701

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Ray Resources Div of F.D.O.C.

Address \_\_\_\_\_

Farm C. Rowand

Well No. 722

District Reedy County Wirt

Drilling commenced 8-12-76

Drilling completed 8-16-76 Total depth 2583

Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_

Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch

Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch

Volume \_\_\_\_\_ Cu. Ft.

Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4 <u>8 3/8</u>		<u>206</u>	
6 1/2			Depth set _____
5 1/2 <u>4 1/2</u>		<u>2580</u>	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

4 1/2 Ccm 75 Bqe Dowell

CASING CEMENTED 8 3/8 SIZE 206 No. FT. \_\_\_\_\_ Date \_\_\_\_\_

Ccm to Surface 75 Bqe

NAME OF SERVICE COMPANY Dowell

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names Rainwater

Remarks: Contr - F.W.A Drilling Co Rotary - Fluid

Running 4 1/2 Cg

8-16-76  
DATE

[Signature]  
DISTRICT WELL INSPECTOR

01/12/2024



Mr. Clarence Rowland complained through  
Gov. office (other side) of damaged cropland  
Tobacco - Corn crops ruined by oil flooding  
from pits during last week and last  
summer.

6-29-77

Send to:  
Goodnight

WEST VIRGINIA DEPARTMENT OF MINES  
CHARLESTON, WEST VIRGINIA  
INTER-OFFICE MEMORANDUM

6-30-77

DATE

TO: Robert Dobb

6-30-77

SUBJECT

FROM: R. Paul Goodnight

The fact is a small oil pit located due to heavy rains, some tobacco & corn crops was  
ruined by the water, which in no way could be removed. The Rowland Property had nothing  
to do with this, but - 6-30-77. The Resources have a door on their location to receive  
them according to Section 100.

The fact is a small oil pit located due to heavy rains, some tobacco & corn crops was  
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to do with this, but - 6-30-77. The Resources have a door on their location to receive  
them according to Section 100.

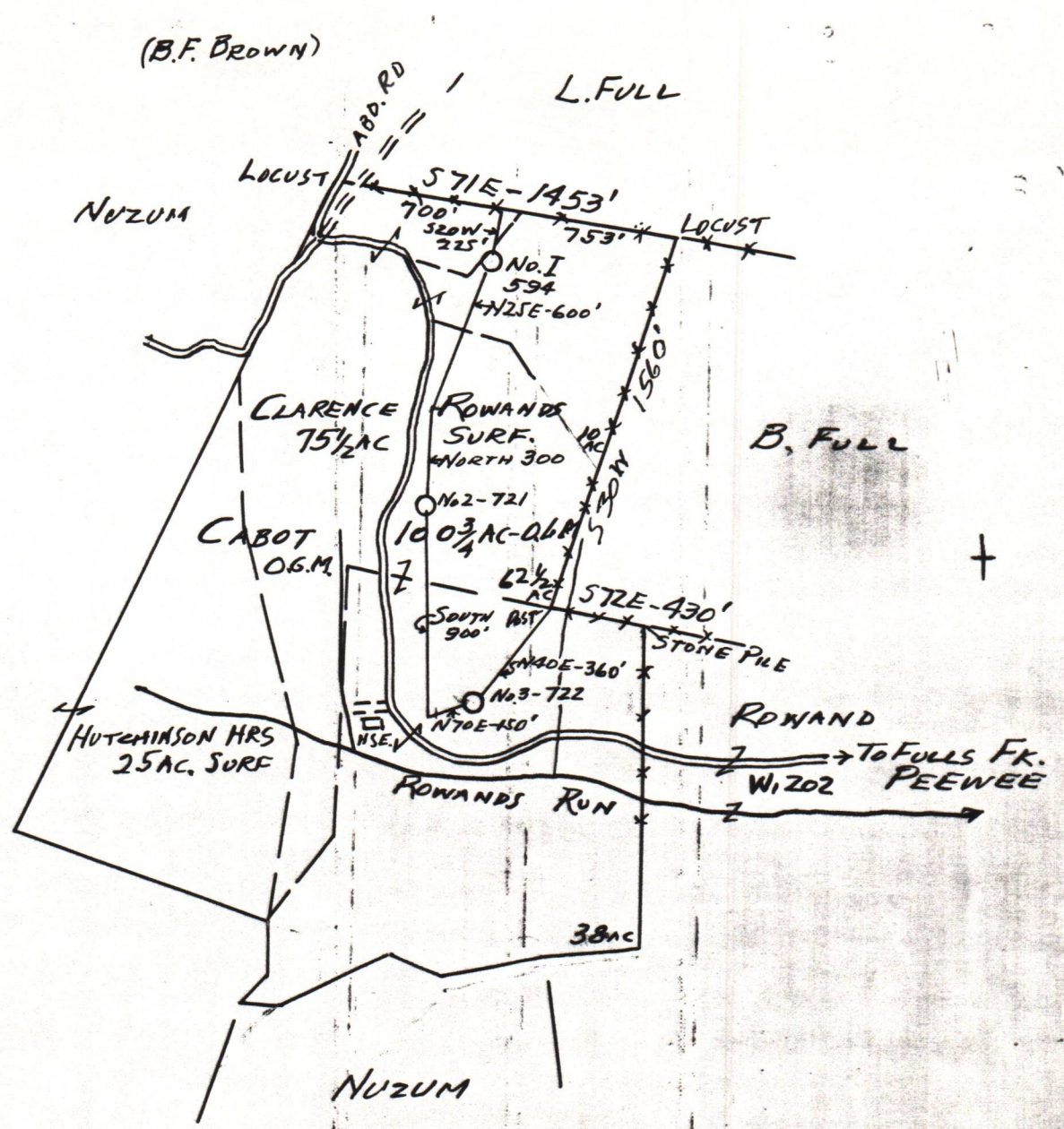
R. Paul Goodnight  
6-30-77

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01/12/2024





New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure 1 IN 200  
 Source of Elevation CABOT ON ROWAND - W1202 = 790 FT.  
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company RAY RESOURCES, DIV. OF F.D.O.C.  
 Address 630 COMMERCE ST. CHARLESTON, W.VA.  
 Farm CLARENCE ROWANDS (SUR) CABOT (O.G.M.)  
 Tract \_\_\_\_\_ Acres 100 3/4 AC Lease No. \_\_\_\_\_  
 Well (Farm) No. THREE Serial No. 722  
 Elevation (Spirit Level) 871 FT.  
 Quadrangle RIPLEY  
 County WIRT District REEDY  
 Engineer Glen Roberts  
 Engineer's Registration No. 860  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date JULY 22, 1976 Scale 1 IN = 660 FT.

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. WIR-701

01/12/2024

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

**47-105**

2570' Berea





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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division  
WELL RECORD

Quadrangle Ripley

Permit No. WIR-701

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. XX  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company <u>RAY RESOURCES, DIV. OF F.D.O.C.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>630 Commerce Sq., Chas., WV 25301</u>				
Farm <u>C. Rowand (Cabot)</u> Acres <u>100-3/4</u>	Size			
Location (waters) <u>Rowands Run</u>	20-16			
Well No. <u>#722 (3)</u> Elev. <u>871'</u>	Cond.			
District <u>Reedy</u> County <u>Wirt</u>	13-10"			
The surface of tract is owned in fee by <u>Clarence Rowand</u>	9 5/8			
Address _____	8 5/8	217'	217'	To Surf.
Mineral rights are owned by <u>Cabot Corporation</u>	7			
Address <u>Charleston, W. Va.</u>	5 1/2			
Drilling Commenced <u>8-13-76</u>	4 1/2	2570'	2570'	100 Sks.
Drilling Completed <u>8-25-76</u>	3			
Initial open flow _____ cu. ft. _____ bbls.	2			
Final production <u>189 M</u> cu. ft. per day <u>30</u> bbls./day	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details: Attach copy of cementing record.  
 Well was frac'd with 471 Bbls. oil, 36,000# sand and 250 Gal. acid  
 Average injection rate 31.4 Bbls. per minute  
 Average treating pressure - 2163#  
 Perforated - 16 holes from 2547 - 2549'

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
 Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
 Producing Sand Berea Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	69		
Shale			69	500		
Red Rock & Shale			500	1300		
Shale			1300	1450		
Salt Snad			1450	1785		
Big Lime			1785	2125		
Lime			2125	2203		
Shale			2203	2546		
Berea			2546	2550		
Shale			2550	2570		
				2570	T.D.	

01/12/2024

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

01/12/2024

Date November 8, 19 76

APPROVED RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION Owner

By Tom Rogsdale  
Geologist (Title)